

NEW UNITED STATES UTILITY PATENT APPLICATION TRANSMITTAL

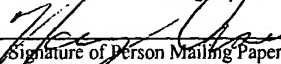
Atty. Docket No.: 2846/2112

CERTIFICATE OF MAILING UNDER 37 CFR 1.10

I hereby certify that the paper (and any paper or fee referred to as being enclosed) is being deposited with the United States Postal Service using Express Mail to Addressee Service, under 37 C.F.R. Section 1.10, **Express Mail Label No. EL928103945US** on this date, **September 11, 2003**, postage prepaid, in an envelope addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Nancy Arsenault

Name of Person Mailing Paper



Signature of Person Mailing Paper

19704 U.S. PTO
10/660348

09/11/03

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Enclosed herewith is a new patent application of:

First Named Inventor (or application identifier): Ren, et al.

Title of Invention: Metal Oxide Nanostructures with Hierarchical Morphology

- Type: ☒ New
☐ Continuation of: _____
☐ Continuation-in-Part of: _____
☐ Divisional of: _____
which is hereby incorporated by reference in its entirety into the application filed herewith;

and includes the following papers:

1. ☒ Specification 52 pages (including specification, claims, abstract)/54 claims (4 independent)
2. ☐ Declaration/Power of Attorney is:
☐ Executed ☐ Unexecuted ☐ Executed copy from Parent Application
☒ NOT included, but deferred under 37 C.F.R. § 1.53(f).
3. ☒ 41 Distinct sheets of ☐ Formal ☒ Informal Drawings
4. ☒ Application Data Sheet
5. ☐ Preliminary Amendment.
6. ☐ Information Disclosure Statement
☐ Form 1449 ☐ A copy of each cited prior art reference (as necessary)
7. ☐ Assignment with Recordation Cover Sheet.
8. ☒ Priority is hereby claimed under 35 U.S.C. § 119 based upon the following application(s):

| Country | Application Number | Date of Filing (day, month, year) |
|---------|--------------------|-----------------------------------|
| U.S. | 60/410,322 | September 12, 2002 |

9. ☐ Priority is hereby claimed under 35 U.S.C. § 120 based upon the following application(s):

| Application Number | Date of Filing (day, month, year) |
|--------------------|-----------------------------------|
| | |

10. ☐ Priority is hereby claimed under 35 U.S.C. § 121 based upon the following application(s):

| Application Number | Date of Filing (day, month, year) |
|--------------------|-----------------------------------|
| | |

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Atty. Docket No.: 2846/2112

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The above applications from which priority is claimed are hereby incorporated in their entirety into the application filed herewith.

11. ☐ Priority document(s).
12. ☐ Microfiche Computer Program (Appendix).
13. ☐ Nucleotide and/or Amino Acid Sequence Submission.
☐ Computer Readable Copy.
☐ Paper Copy (identical to computer copy).
☐ Statement verifying identity of above copies.
14. ☐ Request for Non-Publication and Certification under 35 USC 122 (b)(2)(B)(i)
15. ☒ Statement of Small Entity Status, Pursuant to 37 C.F.R. § 1.27.
16. Calculation of Fees:

| FEES FOR | TOTAL CLAIMS | EXCESS CLAIMS | FEE | AMOUNT DUE |
|--|------------------|---------------|----------|------------|
| Basic Filing Fee (37 C.F.R. § 1.16(a)) | | | | \$750.00 |
| Total Claims in Excess of 20 (37 C.F.R. § 1.16(c)) | 54 | 34 | \$18.00 | 612.00 |
| Independent Claims in Excess of 3 (37 C.F.R. § 1.16(b)) | 4 | 1 | \$84.00 | 84.00 |
| Multiple Dependent Claims (37 C.F.R. § 1.16(d)) | NO | | \$280.00 | 0.00 |
| Subtotal - Filing Fee Due | | | | |
| Reduction by 50%, if Small Entity (37 C.F.R. §§ 1.9, 1.27, 1.28) | MULTIPLY BY 0.50 | | | |
| TOTAL FILING FEE DUE | | | | |
| Assignment Recordation Fee (if applicable) (37 C.F.R. § 1.21(h)) | 0 | | \$40.00 | |
| GRAND TOTAL DUE | | | | 723.00 |

17. PAYMENT is:
☒ included in the amount of \$723.00 by our enclosed check. The Commissioner is hereby authorized to charge any deficiencies in the fees to Deposit Account 16-0085, Ref. 2846/2112.
☐ not included, but deferred under 37 C.F.R. § 1.53(f).

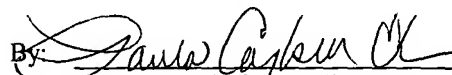
18. All correspondence for the attached application should be directed to:

PAULA CAMPBELL EVANS
Customer Number 29932
 111 Huntington Avenue
 Boston, MA 02199-7613

19. Other: _____

Respectfully submitted,

Date: September 11, 2003

By: 
 Name: Paula Campbell Evans
 Registration No.: 32,503

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | |
|-----------------|--|
| Application of: | Ren, et al. |
| Serial No.: | Not Yet Assigned |
| Filed: | September 11, 2003 |
| Entitled: | Metal Oxide Nanostructures with Hierarchical Morphology |

CERTIFICATE OF MAILING UNDER 37 CFR 1.10

I hereby certify that the paper (and any paper or fee referred to as being enclosed) is being deposited with the United States Postal Service using Express Mail to Addressee Service, under 37 C.F.R. Section 1.10, **Express Mail Label No. EL928103945US** on this date, **September 11, 2003**, postage prepaid, in an envelope addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Nancy Arsenault

Name of Person Mailing Paper

Signature of Person Mailing Paper

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Enclosed for filing in the above-identified patent application, please find the following documents:

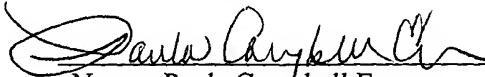
1. New Patent Application Transmittal;
2. Patent Application, (52 pages);
3. Forty-one (41) sheets of informal drawings of Figs 1-41;
4. Application Data Sheet;
5. Check in the amount of \$723.00 for the requisite filing fee; and
6. Return Post Card.

Pursuant to 37 C.F.R. § 1.27, Applicant claims small entity status.

The Commissioner for Patents is hereby authorized to charge any additional fees or credit any overpayment in the total fees to Deposit Account No. 16-0085, Reference No. 2846/2112. A duplicate of this transmittal letter is enclosed for this purpose.

Respectfully submitted,

Date: September 11, 2003



Name: Paula Campbell Evans

Registration No.: 32,503

Customer No.: 29932

Palmer & Dodge LLP

111 Huntington Avenue

Boston, MA 02199-7613

Tel: 617-239-0100